

WHAT IS CLAIMED IS:

1. A ratchet wrench, comprising a wrench body, a ratchet wheel, a pawl member, and a control member, wherein:

the wrench body has an end formed with a receiving hole having a side formed with a receiving recess and a control recess located beside the receiving recess;

the ratchet wheel is rotatably mounted in the receiving hole of the wrench body;

the pawl member is pivotally mounted in the receiving recess of the wrench body and has a first side engaged with the ratchet wheel and a second side formed with an arcuate concave face;

the control member is rotatably mounted in the control recess of the wrench body to control movement of the pawl member in the receiving recess of the wrench body;

the control member has a peripheral face rested on the arcuate concave face of the pawl member; and

the control member drives the pawl member to press a side face of the receiving recess of the wrench body and to engage the ratchet wheel.

2. The ratchet wrench in accordance with claim 1, wherein the control member is formed with a receiving chamber, and the ratchet wrench further comprises an urging cap movably mounted in the receiving chamber of

1 the control member and urged on the arcuate concave face of the pawl member
2 to force the pawl member to engage the ratchet wheel.

3 3. The ratchet wrench in accordance with claim 2, wherein the urging
4 cap is rested on a first side of the arcuate concave face of the pawl member to
5 drive the pawl member to press a side face of the receiving recess of the
6 wrench body and to engage the ratchet wheel, and the peripheral face of the
7 control member is rested on a second side of the arcuate concave face of the
8 pawl member.

9 4. The ratchet wrench in accordance with claim 2, further comprising
10 an elastic member mounted in the receiving chamber of the control member
11 and urged on the urging cap to move the urging cap toward the arcuate concave
12 face of the pawl member.

13 5. The ratchet wrench in accordance with claim 1, further comprising
14 a locking plate made of an elastic material secured in the receiving recess of
15 the wrench body and rested on the control member for positioning the control
16 member.

17 6. The ratchet wrench in accordance with claim 5, wherein the
18 control member has an upper end formed with two abutting faces and two
19 concave portions each aligning with a respective one of the two abutting faces,
20 and the locking plate has a side formed with an abutting edge rested on one of
21 the two abutting faces of the control member and is provided with a convex
22 portion secured in one of the two concave portions of the control member.

1 7. The ratchet wrench in accordance with claim 1, further comprising
2 a direction control member rotatably mounted on the wrench body and secured
3 on the top of the control member for rotating the control member.

4 8. The ratchet wrench in accordance with claim 7, wherein the
5 control member has a top formed with a polygonal protruding stud, and the
6 direction control member has a bottom formed with a polygonal recess for
7 securing the protruding stud of the control member.

8 9. The ratchet wrench in accordance with claim 1, further comprising
9 a bottom cover secured in the receiving recess of the wrench body and rested
10 on a bottom of the ratchet wheel.

11 10. The ratchet wrench in accordance with claim 9, wherein the
12 receiving hole of the wrench body has a bottom formed with a snap groove,
13 and the ratchet wrench further comprises a snap ring secured in the snap
14 groove of the wrench body and rested on a bottom of the bottom cover.

15 11. The ratchet wrench in accordance with claim 1, wherein the
16 peripheral face of the control member has a cylindrical shape and is tangent to
17 the arcuate concave face of the pawl member, so that when the control member
18 is rested on the pawl member, the control member and the pawl member form a
19 linear contact face.

20 12. The ratchet wrench in accordance with claim 1, wherein the
21 control member has a bottom formed with two concave portions, and the
22 ratchet wrench further comprises an elastic plate secured in the receiving

1 recess of the wrench body and provided with a convex portion positioned in
2 one of the two concave portions of the control member.

3 13. The ratchet wrench in accordance with claim 1, wherein the
4 ratchet wheel has an inner wall formed with a polygonal recess and an outer
5 wall provided with a plurality of ratchet teeth.

6 14. The ratchet wrench in accordance with claim 1, wherein the first
7 side of the pawl member is provided with a plurality of locking teeth meshing
8 with the ratchet teeth of the ratchet wheel.